

**IN THE ABSTRACT:**

Please replace the Abstract with:

~~The invention concerns a~~ A process for locating and measuring deformation in a civil engineering structure, ~~characterised by the fact that~~ wherein at least one geosynthetic fabric (1) containing a plurality of optical fibres (2a to 2e) in parallel and capable of transmitting signals is applied in the said structure or under the said structure. [,] ~~The the said optical fibres containing~~ contain Bragg gratings (3), evenly spaced in series (4) of N1 consecutive gratings that correspond to the same wavelength. [,] ~~The the said series being themselves~~ is distributed in identical sets, each of which contains N2 consecutive series that correspond to the different wavelengths, and ~~by the fact that~~, in at least two optical fibres, the numbers N1 of gratings of a series and the numbers N2 of series (4) of a set (5) are determined in such as way that the measurement of the differences between the wavelengths of the incident light transmitted in each of the said optical fibres and the wavelengths of the light reflected by the Bragg gratings enable to locate the deformations to which the structure is subjected on the one hand and, on the other, to measure the elongation of the said optical fibres where the deformation occurs.

~~Figure 1~~